

# Bulletin

University of Toronto  
Friday September 5th, 1975  
No. 3 29th Year



Registration day's a good day to make or meet a friend. John Zurrer (left) from the Okanagan Valley, is pleased to be one of the 700 students accepted from 3400 who applied to study engineering. Zurrer "worked in Kerr Addison mines this

summer and made enough money to pay for tuition, residence - and beer." Friend Fred Schreiner of Sarnia, who had a good-paying summer job with Dupont, now wears the yellow hard hat given to all first-year skulemen.

## ATHLETIC FACILITY

### Public debate to be held Sept 8

A special meeting of the City of Toronto committee on buildings and development is scheduled for Monday, Sept. 8, to discuss the future of the proposed new athletic facility.

The meeting will discuss the final report by Dennis Barker, Commissioner of Planning, who recommends that approval in principle be given to the University's application for an exemption from the zoning by-laws governing the site adjacent to the Benson Building at Huron and Harbord Sts. The building would be 68 feet above street level and have total floor space of 208,000 square feet.

City Council must grant special approval for the facility because its density of 2.34 exceeds the 2.00 level set out in the relevant by-laws.

Several neighbourhood residents' associations have opposed construction of the facility, and copies of the planning report have been sent by the City to all residents within 400 feet of the site.

Monday's meeting, at 8 p.m. in the City Hall Council Chamber, is open to anyone interested. A significant amount of time will be allotted for general discussion and speeches from the floor. Additional information is available

from the Office of the City Clerk, telephone 367-7355.

In his 12-page report, Barker outlines the arguments for and against the facility as prepared by the University and the residents' groups, but he does not comment on any possibility of a compromise between the opposing views. The report notes that the University has altered its original plans, lowering the height by 17 feet and reducing the total area by 32,000 square feet. However, Barker says that it is understood that the University changed the design of the facility, not in an attempt to

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## Enumeration nearly complete

Enumeration of faculty members and students living on-campus is proceeding "reasonably well", according to the returning officers of the four provincial ridings in which University facilities are situated. However, some confusion has resulted from the prior enumeration of many residence students at their home addresses.

Special enumeration procedures are already underway on all three campuses.

### Scarborough almost complete

Enumeration of the Scarborough College student village is "pretty well complete" according to an official in the Scarborough East constituency office. "A few additional names are still coming in each day and we're arranging for special enumerators to visit the College when necessary."

Candidates in Scarborough East are Margaret Birch (Progressive Conservative), John Coates (Liberal), Ann Marie Hill (New Democratic Party), and David A. Tootill (Libertarian).

Erdendale College, located in the new riding of Mississauga North has been the scene of some minor problems for enumerators. Only about 100 of the students in residence when the regular enumeration was held last month are continuing to live on-campus during the fall term.

"There hasn't been much publicity about the enumeration and right now it's very difficult to separate the residence students from the great number of students going through registration," commented June Shane, community relations officer at the College.

However, two special enumerators have set up a table in the registration area and one of them, John Gamble, said that a special enumeration of the residence complex will be conducted next

Monday and Tuesday, Sept. 8 and 9. Deadline for additions and changes to the voters' list is 9 p.m. Wednesday Sept. 10; the election follows eight days later on Thursday Sept. 18.

Three candidates are contesting Mississauga North: David Busby (NDP), Perry Jones (PC), and Vince Zuccaro (Lib).

The St. George campus features two ridings, more students, a few residence faculty and, in the words of one irritated election official, "a year's worth of problems."

The Tartsu College residence at Bloor and Madison, as well as Victoria and St. Michael's residences, are in the riding of St. George.

### Canvassing at St. George

Canvassing of the residences and apartment buildings around the two federated colleges is "going okay", says returning officer Julie Gray, though the original lists prepared by residence officials contain names of students who have decided not to live in residence after all. Gray expects "everything will be cleared up in plenty of time. We've assigned special people to take care of the University." Candidates in St. George are expected to be Margaret Campbell (Lib), Elizabeth Hill (Communist), Lukin Robinson (NDP), and Frank Vasek (Lib).

The majority of residence students as well as the Fellows living at Massey College will be voting in the riding of St. Andrew-St. Patrick which extends from Eglinton Ave. to the Toronto Islands and westerly to Palmerston and Tecumseh Sts.

Thanks to hard work by a faculty member living in Devonshire House, that residence, as well as Trinity and Massey Colleges, is "virtually completed."

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## Costlier housing greets students

The main problem facing those of us in search of housing is likely to be higher-than-expected costs, rather than a shortage of available accommodation, suggests Shirley Mason, director of the University's Housing Service.

"So far we get the impression the situation will be very similar to last year," she says. "As far as we know, no one at U of T has been unable to find accommodation."

Judith Cale of Campus Co-op disagrees: "There most definitely is a shortage this year. We have two requests for every room, and half our members from last year are returning, a much higher figure than usual." The biggest of its kind, the Co-op operates 27 houses, "most of them in horrible condition," to accommodate 350 members. Ms. Cale attributes at least part of the shortage to new city by-laws: "Many older people who have operated rooming houses in the past can't afford to bring their houses up to the new standards, so they're just not renting any more."

As of Sept. 1, all the residences were filled and most reported waiting lists of up to 50 applicants. Tartu College is also filled and has even closed off its waiting list.

Ms. Mason feels that the main problem for most students will be finding something they can afford. Prices have increased an estimated 10 per cent over last year, and that puts even the cheapest form of accommodation out

of range for those students who are completely dependent on the Ontario Student Assistance Program. OSAP allocates \$40 a week for room and board.

"It comes as a bit of a shock to a student who comes into Toronto from a small town to find out that the going rate for a bachelor apartment is \$180 a month," says Ms. Mason.

Co-ops, generally considered the cheapest form of student housing, cost an average of \$24.50 per week, without food. A one-bedroom apartment costs an average of \$66 a week.

Thanks to the highly efficient housing service, at least U of T faculty and students are not likely to find themselves without any accommodation at all. Not only does the service keep up-to-date listings on off-campus co-ops, apartments, rooms and flats, it tries to forestall any foreseeable crises. This year it wrote to the several hundred qualified undergraduates who were unable to get into the 710 married students apartments on Charles St., advising them to seek accommodation in July in order to find an adequate substitute.

Married students seem to have the worst trouble getting housing, possibly because many apartments will not take children. However, "the students seem to have taken our advice about looking early," says Jean Hall, in charge of

admissions to the Charles St. quarters. "We have had very few people coming to us this week with no place to stay."

During the first two weeks of September about 300 students a day visit the Housing Service. The most popular form of housing is the bachelor apartment; the least popular is room and board in a private home.

Last year nearly 35,000 landlords listed with the Housing Service, and listings, most within walking distance of the St. George Campus, seem to be up a little this year.

Erdendale and Scarborough have a more severe housing problem because there are few apartments close to either campus.

The Housing Service, though a student service subsidized with student funds, does offer listings to staff and faculty. The only condition a landlord must meet to list with the service is adherence to the Ontario Human Rights Code.

The service does not recommend facilities or tenants, and it makes no guarantee as to the condition of housing it lists. "We simply haven't got the staff to carry out inspections or act as mediators in tenant/landlord disputes," says Ms. Mason. "We get very little feedback. Some students will tell us they like their accommodation and others complain about the quality. I suspect the quality is somewhere in the middle."

## ORA serves as conduit for \$27 million



Margaret Mackay, a secretary for Research Involving Human Subjects, has been connected with research administration at the University longer than most. Creation of the office was first proposed, in the mid-sixties, by Harry Welsh of the Department of Physics.



Another secretary for Research Involving Human Subjects, Betty McMullen testifies that the ORA is a good place to work.



Until a week ago, Ann Van Fossen handled enquiries related to the Connaught Committee and to grants over \$75,000. During 1975-76, however, she will be on leave.

In 1974-75, funds from external sources "supported about 1700 individual research projects at this University, with a total value of more than \$27 million," says Dr. Tom Clark, Director of the Office of Research Administration.

Clark, assisted by a small cadre of dedicated staff members, acts for the President in seeing to it that all applications get University approval and in accepting responsibility for banking the funds.

However, as indicated by the four page supplement that begins on the next page, the responsibilities of ORA are considerably more intricate and involved than any such succinct explanation may suggest.

The principal task of the Director as well as of four administrative assistants is advising faculty members both on applications to granting agencies and on the handling of granted funds.

As Grants Officer for Major Agencies, Chris Takenaka must cope with the greatest volume of applications and awards. Ms. Takenaka, who is also in charge of the ORA computer data base, can be reached by telephoning 928-2874.

Helen Pert, telephone 928-2163, is Medical and Donations Grants Officer. Concerned with all non-MRC granting agencies in the health field, she also handles all donations on behalf of research at the University.

Patents and Grants Officer, Carole M. Gillin, has many responsibilities, including Canada Council research grants.

During 1975-76, while Grants Officer Ann Van Fossen is on leave, Catherine Norgrove is assisting investigators and Dr. Clark with all grants of more than \$75,000 and with major group and development grants.

All contracts and most negotiated grants are dealt with by Tom Clark himself. During the past academic year, says Clark, the University agreed to 86 contracts with a total value of just under \$3 million. "The essential difference between grants and contracts is not always easy to distinguish," he explains, "but it lies primarily in the degree of freedom the investigator retains to plan and publish his own research."

Another major task is ensuring that any research use of human or animal subjects is conducted according to the appropriate governmental regulations. In this respect, every research institution is required by Ontario statute to maintain some kind of regulatory authority.

Before accepting his current post, Tom Clark's own research interest was first in kinetic spectroscopy and later in high temperature gas kinetics. Obtaining his first degrees in England - his doctorate in physical chemistry is from the University of London - he did post-doctoral work at Harvard.

Clark came to Toronto because the Department of Chemistry had equipment similar to what he'd been working with at Harvard. Furthermore, he grins, "since my wife is an American citizen and I'm British, we chose this as neutral ground."

In discussing the peer review system followed at U of T to determine who is to get research grants, Clark acknowledges that "in some political circles, it's viewed as an Eighteenth Century system, and sort of derided." In his own opinion, however, "it's a very damned sophisticated system," as efficacious as trial by jury.

In any event, he says, it should always be remembered that the Eighteenth Century was the Age of Enlightenment. "If the patronage or peer review system is really modelled on the Eighteenth Century, I'm not ashamed to be associated with the model."

"One feels some sort of moral obligation to give research aid to everybody at a university," says the director. Failing that, though, trial by jury produces the most significant priorities.

And ORA most competently does the rest.



In Ann Van Fossen's absence, Catherine Norgrove, recently a graduate researcher with the University's Higher Education Group, will assist Dr. Clark with major grants.



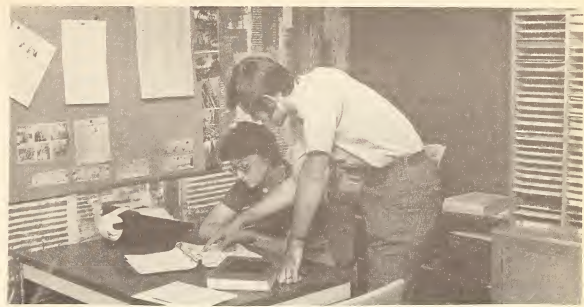
# Research and Research Administration

The Office of Research Administration was set up primarily to administer research policies including review of applications, endorsements of these by the President, the use of human subjects, the use of vertebrate animals, a patent policy, a contract policy and an overhead policy. It is also responsible for administration of internal research funds in accordance with instructions from the Research Board and for administration of Connaught endowed funds on instructions from the Connaught Committee. The office has other related activities.

"I am sad that the office was not created with more glamorous responsibilities," says Dr. Clark, Director of a staff of eleven, "but activities such as funding source counseling, which both my staff and the research community would find more appealing, require an adequate staff of highly qualified people with time to spare." At a time when frills cannot be justified, the office has settled down to the pursuit of its less rewarding, but necessary, functions.

Perhaps the largest current problem for all researchers is the public image of university research. Positive reporting in the press goes to projects with an

immediate clearly visible social or economic application. Such work can often be done in research institutes. Dr. Clark believes that the university has its own special kind of activity—a blend of teaching and research, of explaining and understanding, which allows fundamental insights to be developed over an extended period of time. This activity provides a base on which most specific developments in industry and government departments depend. In McLuhanesque terms, university research is the hidden ground on which visible developments are patterns. Unfortunately, the press currently ignores such activity or tends to see it as a luxury. "I am amazed by how relevant much of this kind of basic research activity really turns out to be when one starts talking with the professor about it," says Dr. Clark. Much could be done to improve the public image of research if researchers would devote some of their energies to explaining the potential value of their activities for society. Unless some such action is taken, there is a real danger that the University may succumb to governmental pressures to replace ongoing scholarly research with what will essentially be an odd job agency.



## Researchers and human subjects

When people are subjects of research, important ethical issues must be faced not just by the researcher, but by other members of the community who are less committed to carrying on the particular research and more able to objectively consider the needs of the subject.

Members of the University who want to administer drugs, perform clinical tests, use personal information records, interview or conduct surveys by telephone, letter or questionnaire, or even observe responses or behaviour should have encountered these ethical questions as they are raised in a

review by a human experimentation subcommittee.

Ms. Barbara Jo Merkins, who recently replaced Dr. V.C. Matsubara on the ORA staff, is responsible for the day-to-day administration of the policy concerning the use of human subjects and will be pleased to advise you on its implications. Her number is 928-5585. She also acts as layerperson and permanent member on the "Humans Committee" reviewing each proposed research procedure involving human subjects—chairing most humans review meetings herself. Ms. Merkins comes to ORA with a wide range of experience in editing, teaching and research in medieval literature, philosophy and history.

The U of T gained an important position in the evolution of policies concerning the use of human subjects as a result of the pioneering work of the former Vice-Provost Sydney Dymond. More recently, there has been a very favourable response both in the United States and Canada, to the booklet prepared by Dr. Matsubara, "Handbook on the Use of Human Subjects". Indeed, the procedures involved at this University are currently the subject of an important research project being carried out under the auspices of the Faculty of Law and headed by Dr. Bernard Dickson, a visiting professor from Scotland.

## The Research Board

Operating policy guidelines for research activities at the University of Toronto are prepared or reviewed by a Research Board, whose membership is representative of University research areas. The Board, an advisory body to the President, forwards policy suggestions to the Planning and Resources Committee of the Governing Council through the Vice-President—Research and Planning. New policies are prepared by working committees or task forces of the Board. The Office of Research Administration functions as secretariat for the Board and its committees.

Among the formal policy reports currently returned to the Board and awaiting action are a proposed revision of the University copyright policy intended to deal with computer software de-

velopment, a report from the Allen Task Force on grant supported personnel, and a clarification of University policy on computer funding.

penses research funds as grants to departments or individuals according to recommendations from its three standing committees: Health Sciences, Pure and Applied Sci-

ences, and Humanities and Social Sciences. Funding for the use of these internal grant committees derives in part from general grants

### SALARIES FROM GRANTS

<b>General:</b>	Grant-holders are responsible for paying the University-approved salaries for grant-paid employees as established each July 1.
<b>Special</b>	For 1976-77, discuss Technician I, II rates with Personnel Department.
<b>ORA Recommendations:</b>	Allow a 15% cost of living increase on all budgeted salaries for July 1, 1976. Also allow 3% merit increase.

Among other committees of the Board is the Human Experimentation subcommittee. The Research Board also dis-

poses research funds as grants to departments or individuals according to recommendations from its three standing committees: Health Sciences, Pure and Applied Sci-

ences, and Humanities and Social Sciences. Funding for the use of these internal grant committees derives in part from general grants made to the University by the NRC and Canada Council, in part from a small grant from the University itself, and from health science endowments.

## Guidelines:

- General:** Any written communication to an outside agency concerning an indication of research to be carried out and an estimate of necessary funding constitutes an application, or, in more formal terms, an offer to contract. Any application should first be submitted to the University for approval before it is forwarded to the agency.
- Date of Submission:** The Office of Research Administration will use its best efforts to forward an application to an agency on the same day that it is received, but since there are many applications to some agencies, the Office of Research Administration asks that applications be submitted before a "recommended date" indicated on the Application Guide. (Faculty of Medicine applicants should submit their applications to the Office of the Dean prior to ORA).
- Number of Copies:** The applicant should send with the application an envelope addressed to the granting agency with the appropriate postage affixed. Consult the applications Guide for the total number of copies to be submitted. This total in-
- cludes one extra copy of the complete application for the Office of Research Administration for reference purposes and, in the event that an award is made, to assist the Office in establishing the terms of trust for the investigator's research account allowing grant funds to be rapidly made available for use.
- Agency Application:** It goes without saying that the sponsor's application procedure should be followed. Applicants' names should be typed on the top of each page of any attachments, and if required by the sponsor, at the top of each page. Complete all questions on application forms, inserting "not applicable" if this is necessary. Be sure to complete "present position held" and to sign any personal data form or curriculum vitae required by the agency. Call 928-2874 for advice.
- Administering Institution:** If the University is to administer the funds, the name of the institution should be shown as "The University of Toronto" or "The Governing Council of the University of Toronto". The financial officer is Mr. T.J. Peckham.
- Office of the Comptroller, 215 Huron Street, University of Toronto.**
- Conference Grants:** If the application is for a conference to be sponsored by the University of Toronto, a copy of the application should be sent to the Office of the President with a request for his written approval. This written approval should be sent to the Office of Research Administration with the application.
- Travel:** Be sure to estimate travel and subsistence costs at the allowed rates of the sponsoring agency.
- Computer Costs:** Full computer costs in accordance with the latest Computer Centre's schedule of charges should be included in applications. If the purchase or rental of computer equipment is proposed, a letter of approval from the Computer Committee, or the initials of the authorized signatory on the Application Attachment, should accompany the application. Consult the Computer Centre.
- Salaries and Benefits:** Salaries must be within the range for the appropriate University position classification. Applicable fringe benefits should always be allowed on budgeted salaries. For full-time employees, the maximum is 14½% of the salary, if married, and 12½% if single. For part-time employees, allow 7%. This allows an employee paid from a grant account to have the same benefits as any other University employee. Call 928-2874 for advice.
- Overhead:** When completing contract applications, remember that the University will refuse a contract unless overhead is allowed i) at 30% of total direct costs, or ii) in accordance with the latest agreement with the sponsoring agency. On grant applications, overhead should be requested at the rate which the agency allows. For PRAI grants, the participating company should be asked to provide overhead funds at 30% of the grant amount.
- Human Subjects:** If the project involves the use of human subjects, even for surveys, the appli-
- cant must send a copy of a Human Subjects Certification Form, signed by the U of T ORA with his application. Call 928-5585.
- Vertebrate Animals:** If the project involves vertebrate animals, an Animal Certification Letter Form ORA 2 should be submitted with the application to the Office of Research Administration. Call 928-2874.
- Major Equipment:** If any equipment is specified on your application, your Chairman should certify on the Application Attachment whether the equipment will or will not involve building alterations.
- Hospital Approval:** If the research is to be carried out at a hospital or related institution, the Head or Director should give his approval on the application statement.
- Other Approvals:** Should other approvals be necessary (see current Applications Guide) the parties to the application is self. Consult your Dean if the application is for equipment or over \$50,000. Call 928-2874 for advice.

# Summary of frequent sponsors

NOTE: APPLICATIONS SHOULD REACH ORA 2 FULL WEEKS (10 WORKING DAYS) PRIOR TO THE AGENCY DEADLINE FOR MOST GRANTING AGENCIES FOR MRC AND NRC NOVEMBER 15th DEADLINE, ALLOW 3½ WEEKS (18 WORKING DAYS). ALL COPIES (WHICH INCLUDES ORIGINAL AND ORA COPY), SHOULD BE SENT TO ORA WITH STAMPED ENVELOPE ADDRESSED TO AGENCY.

Type of award		Agency deadline	Copies (ORA incl.)	Form of application
AGRICULTURE CANADA (FEDERAL)	Research grants	Dec. 15	2	RB 382 & 385. New information in August.
AMERICAN CHEMICAL SOCIETY	ACS-PRF Type AC Grants	Any time	16	Obtain latest forms from: A.C.S. 1155 16th St. N.W., Washington, D.C.
AMERICAN COUNCIL OF LEARNED SOCIETIES	Grants-in-aid Fellowships Study Fellowships	Sept. 30, Feb. 15 Sept. 30 Oct. 15		Forms must be requested in a letter of intent from: A.C.L.S., 345 East 46th St., New York, N.Y.
ARTHRITIS SOCIETY (formerly C.A.R.S.)	Research grants Fellowships Associateships Development grants	Oct. 15 Oct. 15 No date Oct. 15	2 2	Forms available at ORA. Forms available at ORA Medical Faculty recommendation Obtain forms from: The Arthritis Society, 920 Yonge St., Toronto.
ATKINSON CHARITABLE FOUNDATION	Research grants	Meetings are held approximately quarterly; consult ORA for specific deadline dates.	7	Letter proposal
BANTING RESEARCH FOUNDATION	Research grants	Mar. 1	3 orig. + 7 copies	Forms available from ORA.
J.P. BICKELL FOUNDATION	Research grants	Medical meetings are in Aug. & Feb.; non-medical meetings are in Nov., May, Aug., Feb.; consult ORA for specific dates.	4	Forms available from ORA for medical applications; letter form for non-medical proposals.
CANADA COUNCIL	Grants-in-aid (over \$5,000)	Aug. 1, Nov. 1, Feb. 1, May 1	2	Forms available from ORA
	Grants-in-aid (\$1,500-\$5,000)	Any time, but allow 4 months for processing.	2	Forms available from ORA
	** Grants-in-aid (under \$1,500)	Oct. 24, Mar. 26	2	Forms available from ORA
	** Travel grants	Oct. 24, Mar. 26	2	Forms available from ORA
	† Conference grants	Any time, but allow 4 months for processing	2	Forms available from ORA
	Programme grants & Major Editorial grants.	Prior to May and July 1		Letter of intent. Formal application
	I.W. Killam Memorial Scholarships	Oct. 1	2	Letter form.
	Killam Post-doctoral Research Scholarships	Oct. 1	2	Forms available from ORA
	Killam Senior Research Scholarships	Oct. 1	2	Forms available from ORA
	Leave Fellowships	Oct. 1	2	Forms available from ORA
	Research Fellowships	Oct. 1	2	Forms available from ORA
	Doctoral Fellowships	Consult Graduate Departments		Forms available from ORA
CANADIAN COUNCIL ON URBAN AND REGIONAL RESEARCH	Research grants	Any time (meetings held in Fall, Winter, Spring)	4 27	Preliminary letter form Final proposal
CANADIAN CYSTIC FIBROSIS RESEARCH FOUNDATION	Research grants Clinic support	Oct. 15 Oct. 15	9 9	Forms available from: Canadian Cystic Fibrosis, 51 Eglinton Ave. E., Ste. 401, Toronto M4P 1G7
CANADIAN FOUNDATION FOR THE ADVANCEMENT OF CLINICAL PHARMACOLOGY	Programs under review.			
CANADIAN NATIONAL SPORTSMEN'S SHOW	Programs under review			
CANADIAN THORACIC SOCIETY	Research grants Scholarships			New information available in September.
CENTRAL MORTGAGE & HOUSING CORPORATION	Grants-in-aid (Request 25% overhead)	July 5, Oct. 1 Jan. 2, Apr. 1	2 2	Forms available from ORA
COMMONWEALTH UNIVERSITY INTER-CHANGE SCHEME	Type A - Senior academics on study leave	Dec. 15	4	Forms available from ORA
	Type B - Visiting Professor for 6 weeks or more	Dec. 15	2	Letter - see "Conditions of Award" from ORA
	Type C - Post-graduate research workers with grants	Mar. 31	4	Forms available from ORA
COMMUNICATIONS CANADA (FEDERAL)	Contracts (D.S.S. overhead rates)	Nov. 1	4	Use format in "Information Guide"
CONNAUGHT FUND	Senior Research Grants New Staff	Feb. 1 Aug. 1, Feb. 1, May 1	7 7	Forms available from ORA Forms available from ORA

\*\* Administered by Humanities and Social Sciences Committee, see later.

\*\* Travel grants are currently under review.

† Prior approval from the President's Office is required for a conference to be held at the University of Toronto.

	Type of award	Agency deadline	Copies (ORA incl.)	Form of application
DEAFNESS RESEARCH FOUNDATION	Grants-in-aid (Request 10% overhead)	Aug. 15	11	Forms available from ORA
DONNER CANADIAN FOUNDATION	Research grants	Any time	2	Letter proposal
EDUCATION, ONTARIO MINISTRY OF	Grants-in-aid	Deadline yet to be determined.		Important policy changes pending; consult ORA in Dec. for information.
ENERGY, MINES AND RESOURCES (FEDERAL)	Research proposals	Dec. 15	2	Forms available from ORA
ENVIRONMENT CANADA (FEDERAL)	Atmospheric Forestry Fisheries Water Wildlife	Dec. 31 Dec. 31	3 4	New forms available in Nov. from ORA  Information will be available as soon as possible
J.S. GUGGENHEIM MEMORIAL FOUNDATION	Fellowships	Oct. 1	13	Forms available from: Guggenheim Foundation, 90 Park Avenue, New York, N.Y.
HEALTH & WELFARE CANADA (FEDERAL)	<i>Health Directorate</i> Research grants Renewals Research Scientists Junior Scientists Visiting Scientists Fellows Senior Fellows <i>Family Planning Division</i> Research grants <i>Welfare Directorate</i> Research grants Continuations <i>Non-Medical Use of Drugs Directorate</i> NMUD Research grants & RODA Research grants RODA Summer Scholarships	July 31, Jan. 31        Oct. 4, June 27  Sept. 1, Dec. 15, Apr. 15 Dec. 15  Sept. 15, Nov. 15, Feb. 12, Apr. 1	4 4 4 4 4 4 4 4 6 6 6 6 7	Following forms available from ORA. HG 1 HG 1 HG 10 HG 10 HG 10 HG 10 HG 10 HG 10 (3-74) WG 1 WG 1  RODA1/RAD1  New forms will be available from ORA.
HEALTH, ONTARIO MINISTRY OF	Research grants Renewals Type "C" grants Demonstration model grants Renewals Acupuncture Research DM Grants Fellowships Renewals	Dec. 1, Apr. 15 Dec. 1 Dec. 1, Apr. 15 Dec. 1  Dec. 1, Apr. 15 Dec. 15, Apr. 15 Oct. 15, Feb. 1, May 1 Oct. 15, Feb. 1, May 1	6 6 6 6 6 6 6 2 2	Following forms available from ORA. OHG 9/73 OHG 9/73 OHG 9/73 OHG 9/73 OHG 9/73 OHG 9/73 OHG 9/73 Applications must be signed by Dr. J.D. Hamilton in addition to usual signatures. (Both F1 and F2)
HEALTH SCIENCES COMMITTEE	Research grants Graduate Fellowships			Consult ORA in early 1976
HUMANITIES AND SOCIAL SCIENCES COMMITTEE (Funds administered by)	H & SS small research grants less than \$400. Travel grants Canada Council Fund grants up to \$1500.	Any time Oct. 24, Mar. 26 Oct. 24, Mar. 26	2 2 2	New forms available from ORA New forms available from ORA New forms available from ORA
KIDNEY FOUNDATION	Research grants	Nov. 15	7	Forms available from ORA
LABOUR CANADA (FEDERAL)	Research grants	Feb. 15	3	Forms available from ORA
LAIDLAW FOUNDATION	Grants-in-aid (request 10% overhead) Fellowships	Any time Feb. 1	2	Letter proposal  Forms available from: Laidlaw Foundation, 60 St. Clair Ave. E., Ste. 203, Toronto.
MANPOWER AND IMMIGRATION (FEDERAL)	Research grants	Aug. 31, Dec. 31	2	Forms available from ORA
MEDICAL RESEARCH COUNCIL	A - Term B - Continuing Annual C - New Project D - One Year only E - Major Equipment (over \$5,000)  Studentships Fellowships Centennial Fellowships Scholarships Associateships Visiting Scientists	Sept. 1, Nov. 15 Sept. 1, Nov. 15 Sept. 1, Nov. 15, Apr. 1 Sept. 1, Nov. 15, Apr. 1 Sept. 1, Nov. 15, Apr. 1  Dec. 15, Apr. 1 Oct. 1, Dec. 15, Apr. 1 Dec. 1 Nov. 15 Nov. 15 Dec. 1	7 7 7 7 7  2 2 2 2 2 2	Following forms available from ORA. MRC 11 (1974)     MRC 21 MRC 18 MRC 20 MRC 19 MRC 17 Letter proposal
MULTIPLE SCLEROSIS SOCIETY	Research grants	Oct. 1, Apr. 1	2	Forms available from ORA
MUSCULAR DYSTROPHY ASSOCIATION	Grants-in-aid Pre-doctoral Fellowships Post-doctoral Fellowships Summer Fellowships	Feb. 28 Feb. 28 Feb. 28 Feb. 28	11 11 11 11	Forms available from ORA
NATIONAL CANCER INSTITUTE	Grants	Dec. 1	13	Following forms available from ORA: 701/702/706 <i>Continued overleaf</i>



# Guidelines for research on human subjects

1. If your research will involve human subjects and you, the facilities you will use, or the subjects you will use are associated with the University, your research must be reviewed by a Review Committee on the use of human subjects under the auspices of the Research Board. There are two approaches to this review, depending on whether or not you are applying for funding for your research.

2. If you are applying for funds from an external agency such as the Canada Council, NRC, or MRC, the ORA will ask you to fill out an 'Application Attachment'. This form will alert you to the need for review of any research involving human subjects. If the use of human subjects forming a part of your proposal (or its precise equivalent) has already been approved by a Review Committee, you may certify this by answering question A in ORA 3. If your use of human subjects is new, this form will advise you to submit a protocol. Your submission to the ORA of four copies of a protocol will begin the review procedure. If the necessary funds are then granted, you may begin your research as soon as the review procedure has been completed. The review procedure itself may be carried out while your application is being reviewed by the agency, so there need be no delay in starting your research when funds are granted. Please note, however, that the Ontario Ministry of Health and the agencies of the U.S. Department of Health, Education, and Welfare require review before they assess an application.

3. If you are not applying for funds you may either certify that your use of human subjects has already been reviewed or you may initiate the review of your proposal by submitting four copies of a protocol. Please allow enough time for the review to take place before you plan to begin your research.

4. Your protocol will be distributed to the members of a Review Committee on human subjects. The members of the committee will be selected for their interest and competence in dealing with the kind of research you will be doing, and are selected in the following manner.

Two specialists in your area, not themselves involved in

your research, are nominated by your head of department after you have submitted your proposal to your head of department for approval. Preferably these nominees will be members of your own academic department. They will understand the purpose of your research and be able to evaluate any risks to your subjects which will arise from the subjects' participation in your research.

A person will be nominated by ORA who will be familiar with the legal aspects of your case and can serve as 'subject's advocate'. This person will usually be a professor of law.

A member of the staff of ORA will act as layperson.

5. The protocol, in four copies, should include the following information: (Sample protocols and consent forms are appended to the ORA Handbook on the Use of Human Subjects, and may be of use to you when you are preparing your protocol.)

1) **Summary:** Do a detailed summary of your research design including specific manipulations, doses and methods of administration of drugs, radiation, operations, tests, interviews and interview schedules, and samples of any questionnaires that you will use. (Pretesting a questionnaire is also subject to review.) Remember that not everyone on the Review Committee will be an expert from your academic area, so your protocol should be written in layman's language.

2) **Subjects:** The subjects for your investigation and your method of gathering them should be described. The place where the investigation will be carried out should be defined, and it is important to indicate who will be responsible for contacting the subjects and how they will be contacted initially. It is very important that the committee be told what you will tell the subjects before they participate.

3) **Risks and Benefits:** Risks: State your estimate of the risks your subjects will take as part of their participation in your research. Will they experience any discomfort or incapacity? Will your procedures be standard? What facilities will be available to protect the health and safety of your subjects? Finally will your procedures be thera-

peutic? (The review applies to research, not treatment. The two categories are often mixed however, and, in such cases, the committee would like a clarification of this in your protocol.) Benefits: First, will your subjects individually benefit from their participation? Second, how large and how significant a contribution will your research make to your field? The committee must weigh all aspects, negative and positive, of your research in making its decision.

4. **Informed Consent:** What explanation will you give to the subjects before they agree to become participants in the project? (For surveys circulated by mail, four copies of the explanatory letter to the subjects should be provided along with the protocol.) What is the competence of your subjects to consent? (The physical state, or restraint of liberty.) If the subject is not competent, who will consent? What form of consent will be used? Free and informed consent, in writing, is required in most cases, so please submit a consent form with your protocol. (Your consent form should accompany the protocol, and should also be in quadruplicate.) Finally what steps will be taken to ensure that confidentiality is maintained?

Remember, the more explicit, concise, and comprehensible your protocol is, the more expeditiously it can be reviewed.

6. ORA (subject to the advice of the members of the Review Committee) will decide whether your protocol can be dealt with most expeditiously by mail or by convening a meeting. In the first case, ORA will send your protocol to the Review Committee and ask the members of the committee to advise ORA of their decision by mail or telephone. If all the members of the Review Committee agree to the proposal it will stand approved. (If the protocol is quite straightforward it can be processed and approved this way in as little as one or two weeks.) If either ORA or any members of the Review Committee decide that the committee can deal with your proposal most efficiently in person, a meeting of the committee will be convened. You will be asked to attend the meeting, and you and the members of the committee can work out a decision about your use of human subjects.

Type of award	Agency deadline	Copies (ORA incl.)	Form of application
NATIONAL CANCER INSTITUTE (contd.)	Equipment (over \$5,000) Dec. 1 Travel Any time Research Fellowship Dec. 1 Studentships Dec. 1 Career Awards Dec. 1	13 2 9 9 9	Letter proposal Letter proposal 401/402/403/706 601/706 101/201/301/706
NATIONAL RESEARCH COUNCIL	Operating Nov. 15 Special Computing Nov. 15 Equipment Nov. 15 Travel Fellowship Nov. 15 Negotiated grants Any time P.R.A.I. grants Any time E.W.R. Steacie Memorial Fellowship Sept. 1 Senior Industrial Fellowship Oct. 1, May 1 † Conference grants Nov. 15 NRC-CIDA Associateships for Scientists from Developing Countries	4 4 4 4 11 2 2 3	Following forms available from ORA: 601 601 604 629 Proposal Consult ORA and P.R.A.I. booklet. Forms available from ORA Forms available from ORA 630
NATIONAL SANITARIUM ASSOCIATION	Muskoka Hospital Research Fund		New information expected in Oct.
NUFFIELD FOUNDATION	Travel grants Jan. 1	5	Forms available from the Foundation.
ONTARIO CANCER TREATMENT AND RESEARCH FOUNDATION	Research and Clinical Investigation Oct. 15 Fellowships Oct. 15	7 7	New forms available from ORA
ONTARIO HEART FOUNDATION	Research grants Oct. 1 Research Scholarships Mar. 15 Senior Research Fellowships Oct. 1 Research Associateships Oct. 1 Summer Student Scholarships Mar. 15	4 + reprints (7) 6 6 6 6	New forms available from ORA Forms available from Foundation. Forms available from Foundation. Consult Dean of Medical Faculty Consult the Foundation
ONTARIO MENTAL HEALTH FOUNDATION	Type A - 1 year Oct. 15 & Mar. 1 - new appts. only Type B - 2 year Oct. 15 & Mar. 1 - new appts. only Type C - Continuing Annual Oct. 15 Type D - Term Renewals Oct. 15 Major Equipment (over \$3,000) Oct. 15, Mar. 1 - new appts. only	6 6 6 6 6	New forms available from ORA
	Research Fellowship Nov. 30 Training Fellowship Nov. 30 Research Studentship Nov. 30 Research Associateship Nov. 30 Research Scholarship Nov. 30	4 4 4 6 6	
ONTARIO THORACIC SOCIETY	Grants-in-aid Jan. 15 Fellowships Jan 15	14 14	New forms available from ORA
P.S.I. FOUNDATION	Research grants Any time, but allow 2-3 months for processing.	2	Forms available from ORA

† Prior approval from the President's Office is required for a conference to be held at the University of Toronto.

# Campus enumerations

Continued from Page 1

Returning officer Lesley Singer is planning to set up enumeration tables in Hart House and at the residence operated by New College and University College. The tables should be staffed from 11 a.m.-1 p.m. and 4-8 p.m. until Sept. 10.

Singer expects her staff to be overwhelmed with work in attempting to prepare typed lists in time for the three advance polling dates, beginning Sept. 12. "It's going to be murder," she says.

The candidates in St. Andrew-St. Patrick are Barbara Beardsley (NDP), Frank Cunningham (Communist), Larry Grossman (PC) and Fred Kan (Lib).

Any Canadian citizen or other British subject who is 18 years of age or over as of election day,

## For information

Sept. 18, is eligible to vote provided he or she has been properly enumerated.

Additional information, including details concerning the method of voting by proxy, is available

according to the following schedule:

**SCARBOROUGH EAST** - Returning Officer, Shirley Painter; 235 Morris St. Simon Hall, West Hill; 284-4778.

**MISSISSAUGA NORTH** - Returning Officer, Morley Horton; Unit 1, 1200 Airco Blvd.; 624-0434.

**ST. GEORGE** - Returning Officer, Julie Gray; Christ Church, 1570 Yonge St.; 922-2511.

**ST. ANDREW-ST. PATRICK** - Returning Officer, Lesley Singer; 1500 Bathurst St.; 652-1163.

Additional information is also available from the various students' councils. The Students' Administrative Council hopes to organize at least one all-candidates' meeting on the St. George Campus.

Class schedules will not be affected by the election, but the meeting of the Governing Council originally scheduled for Sept. 18 has been transferred to the preceding day, Wednesday, Sept. 18, at 4.30 p.m. in the Council Chamber.

## Funding policy hurts

Faculty members are suffering financially and students are being deprived academically because of the provincial government's policies on university financing, according to the Ontario Confederation of University Faculty Associations.

In a "Statement of Concern" released to the media last week, OCUFA chairman C.H. Langford charged that "the government's present funding policy is having the effect of denying to the people of Ontario the full economic and technological dividends from their universities."

"The continuation of some degree programs and many courses is at risk. The impact will be felt both in terms of lack of individual opportunities and a shortage of highly trained manpower in the province."

"University professors are losing

the inflation battle," Langford added.

Claiming that "the Government of Ontario pays some of our new graduates at salaries better than those enjoyed by many of their professors," the statement predicted that "if the academic staff trained and recruited to meet the public insistence on higher education in the 1960s continue to be disadvantaged, the universities will inevitably lose talented faculty."

The statement concluded with the prediction that "further damage to the educational opportunities of Ontario's children will ensue."

OCUFA is surveying all candidates in ridings containing universities and intends to circulate the results prior to the election so that faculty members may cast "an informed ballot".

## RESEARCH NEWS

### Canadian Commonwealth Fellowships

The U of T becomes eligible for support in 1976-77 for a Commonwealth Visiting Fellow, and in 1977-78 for a Commonwealth Research Fellow. Since the University will have to submit one nomination for each of these fellowships before Oct. 31, it is important that the nomination be received at ORA by Sept. 30. The Research Board will make the final nominations to the Canadian Commonwealth Scholarship and Fellowship Committee. For further information call ORA at 928-2874.

### Kidney Foundation Deadline Change

ORA has been notified that the deadline date for receipt of applications by the Kidney Foundation has been advanced to Sept. 15 from Nov. 15 (as noted in the ORA insert this issue). Applicants are urged to submit applications to ORA as soon as possible in order that they can be forwarded in time for this new deadline.

### Deadlines for Applications

For full information on application deadlines, see the ORA insert in this issue of the Bulletin.



Is Mother Convocation Hall wearing a Victorian hat pin in her ample crown? No, it's the CN Tower that has changed the southern profile of the St. George campus.

## Athletic facility meeting

Continued from Page 1

compromise with respect to height, but for other reasons, related, presumably, to questions of funding."

He also states that "with respect to academic programming, the integration of the new facility with the Benson Building seems reasonable and functionally justifiable."

Barker also echoes the concern expressed by the city public works department, which noted that 180 existing off-street parking spaces would be lost through construction on the site of an existing University parking lot. The report recommends that the University explain to the buildings and development committee "what provisions it would be prepared to make, in the immediate area, in the event that excessive on-street parking results from elimination of the present surface parking lot and the use of the intended building."

Barker predicts that "increased evening street parking could well result" in the Huron-Sussex area north of the building but little change would be noticed during the day because "potential parking spaces are already used to their maximum during school hours."

"It is a fact that the habits of

private automobile drivers are not easily changed and that the restriction of parking supply can simply result in the demand being satisfied elsewhere, often in an illegal manner," the report adds.

The report says opposition is based on questions regarding the "form and bulk" of the facility, the possibility of new traffic and parking problems, the demolition of houses, and "the lack of assurance that the facility could be used by the community." Without passing judgment on these objections, Barker comments that "the University makes no pretence that the proposal is for other than a University facility, primarily for the use of the University population. It is also made clear, on the other hand, that the facilities will be available to outside groups and for the operation of community-oriented programs."

The summary of the University's case emphasizes the age of the existing Hart House facilities, built in 1919 when student enrolment was only 3,000, and the University's plans to consolidate the teaching, laboratory and recreational facilities of the School of Physical and Health Education.

Quoting figures supplied by the University, the report notes that even if the original 240,000 square foot design were approved, U of T would have only 11.3

square feet of indoor athletic space per student compared to 13.0 at Waterloo, 16.2 at Alberta and 42.2 at Laval. The present figure based on facilities only on the St. George campus is 4.5 square feet per student, reportedly the lowest of any major university in Canada.

The report also contains comments by several other City commissioners and an opinion from the city's legal department that no amendment is necessary to the Official Plan for development previously approved by City Council. The other comments range from a statement that the facility will likely be utilized for "community recreational and training programs" (Commissioner of Parks and Recreation) to the observation that "no improvements to the existing water distribution and sewer systems are required" (Commissioner of Public Works).

The Commissioner of Development expressed regret at the elimination of the 10-metre diving tower from the original plans. Noting that no similar indoor tower is available "in this part of the country," he suggested that "if funds are a problem, it would appear to me that a project such as this should qualify for assistance from the revenues received by the Province from the Olympic and Winterlotteries."

## Hiring freeze imposed in attempt to reduce budget

A staff hiring freeze has been adopted by the University in an attempt to meet the reduced target budget of 1977. In a statement to all principals, deans and directors, President John Evans stated: "The target budget for 1976-77 proposes that University expenditures should be reduced by \$7.5 million. Although we are continuing to press for more favourable treatment of the University by the provincial government, it is essential that we direct our planning and budgeting to the stated target. A reduction of \$7.5 million in expenditures cannot be achieved without reducing the numbers of staff members. It is, however, our objective to reduce numbers with the minimum of dislocation of individuals. We propose wherever possible to reduce numbers by non-replacement of staff who retire or resign and, in cases in which

positions become redundant because of financial constraints, to facilitate transfer of staff members to vacant positions elsewhere in the University."

"In order that we may achieve these objectives, any position (academic or non-academic) which is vacant after this date will not be refilled unless specific authorization is given by the Vice-President responsible for the division. (This does not apply to staff members employed on research grants.) The Vice-President will give consent in cases in which replacement is shown to be essential and to be required immediately for effective operation of the Division or in which the nature of the work is such that it could not possibly be undertaken by a staff member transferred from a redundant position elsewhere in the University. The Personnel Office has been instructed to refer to the appropriate Vice-President all requisitions for

replacements to which this regulation applies. Divisional heads who intend to seek authorization for an appointment should forward with the requisition a brief statement setting out the case for immediate replacement.

"This regulation will remain in force until the 1976-77 budget is formulated by the Budget Committee in early November. At that time there may be some relaxation of these restrictions in certain divisions of the University or for certain categories of employees.

"One of the objectives of this regulation is to attempt to ensure there will be enough vacant positions in various divisions to accommodate any staff members whose positions become redundant."

The freeze took effect in late July. It does not apply to positions that do not come into being beyond the current fiscal year which ends in April, 1976.



## EVENTS

### 8 MONDAY

Music - Ted Moses Jazz Quintet. Donald P. Ivey Library, New College, 20 Willocks St. 12.30 p.m.

### 10 WEDNESDAY

Music - Hart House Chorus auditions, new members only. Open to all members of Hart House. East Common Room. 7-9 p.m. (See story this page)

### 11 THURSDAY

Music - Stringband. Willocks St. between Huron and St. George St. 12 noon

### 12 FRIDAY

Street dance - Myles and Lenny. Willocks St. between Huron and St. George. From 8 p.m.

### 14 SUNDAY

Music - Folk Concert. University College Quadrangle in the afternoon.

### 15 MONDAY

Music - Ken Harris. Willocks St. between Huron and St. George. 12 noon.

### 16 TUESDAY

Lecture - Converting Data into Information: Why P.P.B.S. is Bad Analysis. Prof. Aaron Wildavsky, Dean, Graduate School of Public Policy, University of California, Berkeley. Meeting Place Scarborough College. 8 p.m.

Music - Hart House Chorus auditions for returning members. East Common Room, 7 p.m. (See story this page)

### 18 THURSDAY

Lecture-Demonstration - Noise Sound and Silence. Margot Reynolds. Education Project at Pollu-

Unless otherwise indicated, all members of the University and the general public are welcome to attend any event.

tion Probe. Walter Hall, Edward Johnson Building. 2.10 p.m.

Colloquium - Neutrons, Gravity and Quantum Mechanics. Prof. A.W. Overhauser, Purdue University. 102 McLennan Physical Laboratories. 4.10 p.m.

Music - Watson and Reynolds. Willocks St. between Huron and St. George. 12 noon.

### 19 FRIDAY

Music - Concert by Willis Noble, organ and Elizabeth McBurney, flute. Proceeds to be applied to the Organ Fund. Walter Hall, Edward Johnson Building. 8.30 p.m. Tickets \$4, students and senior citizens \$2. Cheques payable "U of T", enclose stamped, addressed envelope.

Dance - A Foot in Cold Water. Great Hall and Quadrangle, Hart House. From 8 p.m.

### 20 SATURDAY

Football - Blues vs. Wilfrid Laurier University. Varsity Stadium. 2 p.m.

### 24 WEDNESDAY

Lecture - First of two Marfleet-Falconer lectures on theme: Poverty, Development and Our Responsibility. "Politics and Responsibility of the North American Bread Basket". Dr. Lester Brown, President, Worldwatch. Convocation Hall. 8 p.m.

### 25 THURSDAY

Colloquium - Physics and Philosophy in the Work of A-M Ampere. Prof. L. Pearce Williams, Cornell University. 102 McLennan Physical Laboratories. 4.10 p.m.

### 27 SATURDAY

Football - Blues vs. Queen's University. Varsity Stadium. 2 p.m.

## SAC offers 10 days of fun and games

The Students' Administrative Council, known to its friends as SAC, has 10 days of goodies planned for Thursday, Sept. 11.

Willocks St. has been blocked off to vehicular traffic from Huron to St. George by dispensation of the city fathers. There will be noon hour concerts on the grass by the Lash Miller building (see "Events") on Thursday, Sept. 11; Monday, Sept. 15, and Thursday, Sept. 18. There will be a street dance Friday evening Sept. 12. On Monday, Tuesday, and Wednesday evenings from 7.30 to 10.30 the International Folk Dance Club will hold dances. Each will begin with a half-hour demonstration and everyone is welcome to join.

Tuesday afternoon at four, frisbee champs will entertain and educate aficionados and others. The Chinese Students' Association will give a special performance of dancing and music from 2.30 to 4.30 p.m. on Thursday, the 18th.

On Monday, Sept. 15 there will be an open house at the SAC Media Building, 91 St. George St. to meet the people at The Varsity and Varsity Radio. On Tuesday, the 16th, SAC itself is holding

open house (with food available) at its headquarters in the Old Observatory.

Friday evening, Sept. 19, is the "Frosh Dance" in the Great Hall of Hart House. On Saturday in Varsity Stadium the Blues play their first home game.

Food will be available on week-days on the Willocks St. mall. SAC has applied for a licence to run a pub on the mall but so far there has been no word of the success of this attempt.

## Locker and carrel applications due

Applications for carrels and book lockers for Faculty members and graduate students (Divisions 1 & 2) for the Winter Session will be received until Sept. 16.

Application forms and information sheets are available at the Circulation desk, 4th floor, Roberts Library.

For further information, please ask at the Circulation desk or telephone the carrel office, 928-2305.



Max Clarkson, new Dean of the Faculty of Management Studies, devoted some of his time this week to serving as Official Greeter to enrolling students. On this occasion, his daughter Helen, 10, also gave a hand.

## Hart House seeks new members

The Hart House Programme Office wishes to remind the teaching and administrative staff that, while many of its events and facilities are free to all House members, the annual membership fee continues to be \$30, covering the period until April 30, 1976.

Fees from student members are collected as part of the general incidental fees payable at registration, but others wishing membership should telephone the Programme Office at 928-2447.

In addition to participation in numerous clubs and special activities, Hart House also offers its members a variety of food services, ranging from the Arbor Room and Tuck Shop to the Great Hall and the Gallery Dining Room.

Non-student members wishing to make use of the athletic facilities must pay an additional fee of

\$20. Women who are members of the House may use the athletic facilities to a limited extent.

### Chorus auditions

Hart House Chorus will be holding auditions from Sept. 10. Membership in the chorus is open to all members of Hart House. Auditions for new members will be held Wednesday, Sept. 10, Thursday, Sept. 11 and Monday, Sept. 15 from 7-9 p.m. in the East Common Room of Hart House.

Auditions for returning members of the chorus will be held on Tuesday, Sept. 16 at 7 p.m. in the East Common Room.

### Eat again at Hart House

The food services at Hart House are back to term schedules again. The Great Hall is open Monday

to Friday for lunch from 11.45 a.m. to 1.30 p.m. and for supper from 4.45 to 6.30 p.m. The Gallery Club is open for lunch from 12 noon to 1.30 p.m. and for supper from 6 to 7.30 p.m.

The Arbor Room is open Monday to Thursday from 8 a.m. to 10.30 p.m.; on Friday from 8 a.m. to 8 p.m.; on Saturday from 10 a.m. to 5.30 p.m. and on Sunday from 12 noon to 6 p.m.

The Tuck Shop is open Monday to Friday from 8 a.m. to 5.30 p.m.

## Funds available to U of T staff for education

Members of the full-time non-academic staff who wish to further their education or training on their own time may qualify for a subsidy of 50 per cent. of tuition fees via the Educational Assistance Program administered by the Personnel Department. However, anyone wanting assistance must apply (in triplicate) for Personnel Department approval prior to registering in the course(s) concerned.

Applications should be submitted to the appropriate department head. Short term vocational courses such as shorthand are not normally subsidized.

Payment of the subsidy is conditional upon successful completion of the approved course(s).

Additional information is available from the Employment Services Section of the Personnel Department, telephone 928-2111.

## H H Theatre wants you

Hart House Theatre is looking for help from seamstresses and seamstresses, painters, builders and prop makers for this season's productions. The Theatre's first play, *Three Hours After Marriage*, opens Oct. 9.

Penned by three masters of the English language, John Arbutnot, John Gay and Alexander

Pope, the play will require more than three craftspersons to mount. However, volunteers need not match with manual dexterity the authors' verbal ones. Expertise is not a prerequisite - apprentices are welcome. The production staff will be delighted to teach the tricks of their trades.

Hart House Theatre is truly democratic, being of, by and for the entire University community. If you can run a sewing machine, paint a wall, pound a nail; if you ever thought papier mache "fun"; there is a place for you.

Telephone Martha Mann or Anne Kewley at 928-8674.

## Criminology holds two-day workshop

A two-day workshop on violence in Canadian society is to be held on Sept. 8 and 9 under the auspices of the Centre of Criminology. This workshop is bringing together academics, representatives from the Federal Government and the Government of Ontario, as persons directly involved in the administration of criminal justice.

The purpose is to assess various perspectives on the concept of violence, to examine what is known about violence, and to explore directions future research should take.

A report containing formal papers and summarizing the proceedings will be prepared by the Centre of Criminology for distribution to all levels of government, the University community, and to law enforcement, judicial and correctional personnel.



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